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IS 12515 (1988): Wooden setting cat for two-men cross cut saws [PGD 6: Earth, Metal And Wood Working Hand Tools]

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Indian Standard

SPECIFICATION FOR WOODEN SETTING CAT FOR TWO-MEN CROSS CUT SAWS

1. Scope — Specifies the material, dimensions and other requirements of wooden setting cat used for setting of two-men cross cut saws specified in IS : 12127-1987 'Specification for two-men cross cut saws'.

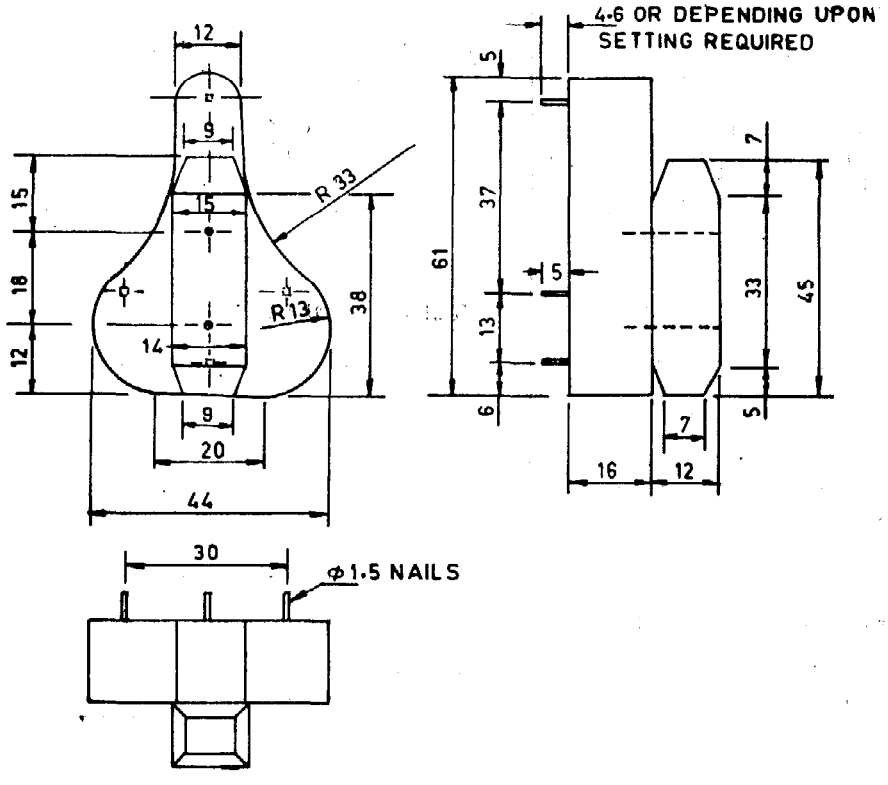
2. Material

2.1 *Wooden Cat* — Shall be made from any good quality properly seasoned carpentry wood.

2.1.1 The wooden blanks shall be free from knots, decay (rot), splits, borer holes, etc.

2.2 *Nails* — Shall be made of mild steel [*see* IS : 226-1975 Specification for structural steel (standard quality) (*fifth revision*)].

3. Shape and Dimensions — Shall be as shown in Fig. 1.



All dimensions in millimetres.

FIG. 1 WOODEN SETTING CAT FOR TWO-MEN CROSS CUT SAWS

3.1 Tolerance on the dimensions shall be very coarse class specified in IS : 2102 (Part 1)-1980 'General tolerances for dimensions and form and position: Part 1 General tolerances for linear and angular dimensions (*second revision*)'.

4. Other Requirements — The nails shall be tight fit. The tip of the nails shall be flat.

5. Workmanship and Finish — The wooden setting cat shall be free from burrs and other defects detrimental to their normal use and shall be smooth finished.

Adopted 28 October 1988 © April 1989, BIS

BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

Forestry and Plantation Machinery Sectional Committee, AFDC 64 [Ref : Doc : AFDC 64 (2901)]

6. Designation — The wooden setting cat shall be designated by its name and the number of this Indian Standard as follows:

Wooden setting cat for two-men cross cut saws IS : 12515

7. Marking — Each wooden setting cat shall be legibly and indelibly stamped with the manufacturer's name or trade-mark and the batch or code number.

7.1 *Standard Marking* — Details available with the Bureau of Indian Standards.

8. Packing — Shall be as agreed to between the manufacturer and the purchaser.

9. Sampling — Unless otherwise agreed to between the manufacturer and the purchaser, the sampling plan and criteria for conformity as given in Appendix A shall be followed.

APPENDIX A

(*Clause* 9)

SCALE OF SAMPLING AND CRITERIA FOR CONFORMITY

A-1. Scale of Sampling

A-1.1 *Lot* — In any consignment, all the setting cats manufactured under similar conditions of manufacture shall be grouped together to constitute a lot.

A-1.2 For ascertaining the conformity of the lot to the requirements of this specification, tests shall be carried out from setting cats selected from each lot separately. The number of setting cats to be selected at random from a lot shall be in accordance with Table 1. To ensure the randomness of selection, the procedure as laid down in IS : 4905-1968 'Methods for random sampling' shall be followed.

TABLE 1 SAMPLE SIZE AND PERMISSIBLE NUMBER OF DEFECTIVES

Lot Size	Sample Size	Permissible Number of Defectives
Up to 50	5	0
51 to 150	8	0
151 to 300	13	1
301 to 500	20	2
501 and above	32	3

A-2. Number of Tests and Criteria for Conformity

A-2.1 The setting cats selected according to **A-1.2** shall be examined for material (*see* **2**), dimensions (*see* **3**) and general requirements (*see* **4** and **5**). Any setting cat failing to meet the requirement for any one or more of the characteristics mentioned above shall be declared defective.

A-2.1.1 The lot shall be considered conforming to requirements of the characteristics mentioned above if the number of setting cats found defective is less than or equal to the corresponding number given Table 1.

EXPLANATORY NOTE

Wooden setting cats are used for checking the setting of teeth in two-men cross cut saws (both peg toothed and raker toothed).

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